

SERVICE DISCOVERY AND DELIVERY FOR AD-HOC NETWORKS

ABSTRACT

The present invention can include a communication system having a plurality of portable devices being communicatively linked via an ad-hoc, wireless network such that each portable device functions in a peer-to-peer fashion. Each portable device can include a communication architecture including an application configured to control service discovery, usage, and advertising, a service manager and a micro-hypertext transfer protocol server. The service manager can be configured to discover services provided by other ones of the portable devices, and register and advertise services provided by the portable device within which the service manager is disposed, under control of the application. The micro-hypertext transfer protocol server can be configured to send and receive queries to facilitate service discovery, usage, and advertising.